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AUG 16 2010

Environmental
Cleanup Office



5129 N. Shirley St. Suite 100, Ruston, WA 98407

August 13, 2010

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 170, July 2010
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 218.

Sincerely,

Gary Pedersen
Chief Operations Manager

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay

USEPA SF



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Monthly Report 170, July 2010
Operable Unit 02
Asarco Tacoma Smelter Site

A. Actions taken to achieve compliance with the Consent Decree during the previous month.

1. Met with EPA on July 9th and July 23rd
2. Conducted a preconstruction meeting for the sanitary sewer portion of the Master Infrastructure Construction Management Plan in accordance with the requirements of the Consent Decree, second amendment, on July 23rd.
3. Mobilization for the sanitary sewer project occurred the week of July 26th.
4. Conducted sampling in accordance with the BNSF Quit Claim Area Soils Sampling and Analysis Plan. Sample testing and analysis will continue into August.
5. Continued weekly site-inspection reports (see attached).
6. Maintained clean work area and road.
7. Remedial Action activities continued.
8. Training activities include the following:
 - Site specific Safety Orientation (Clean Zone) was held for personnel of the following companies:
 - i. (1) Parametrix worker
 - ii. (1) Cintas worker
 - iii. (2) Pacific Crest workers
 - Site Specific Safety Orientation (Exclusion Zone) was held for personnel of the following companies:
 - i. (1) CH2MHILL inspector
 - ii. (2) Azure/Green surveyors
 - iii. (1) Tetra Tech worker
 - HAZWOPER 24-hr training was held for personnel of the following companies:
 - HAZWOPER annual refresher was held for personnel of the following companies:
 - i. (2) Point Ruston worker

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point

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Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

In addition to the North and South Outfalls, Point Ruston resumed monitoring of an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Samples were collected by Point Ruston on July 6th, 12th, 19st, 26th and August 2nd.

2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 117 gallons per day on the LCRS. Results from the July 29th leachate sample are attached (4.9ppm). Shipment pending.
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. Results for samples collected during June and July 1st through 23rd are attached. Results for the remainder of July are pending laboratory analysis and will be submitted with the August, 2010 monthly report.
4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring data (Exposure Evaluations) conducted in July are attached.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:

- Point Ruston received permits from the City of Tacoma/Town of Ruston for the sanitary portion of the LID project for the work associated with the Master Infrastructure CMP.

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2. Remedial Action included the following tasks:

- OCF construction activities:
 - Maintained leachate collection system.
- Stack Hill construction activities:
 - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area.
 - Maintained site perimeter fence and signage at the north end of Stack Hill.
- Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained onsite haul roads and stockpiles
 - Maintained erosion and surface water controls
 - Continued site-wise dust monitoring and control through site and access road watering
 - Continued air-monitoring program per CH&SP

D. *Actions scheduled for the next six weeks.*

1. Continue construction of public infrastructure, including sanitary sewer, Ruston power and water main.
2. Conduct pre construction meeting and obtain permit from the City of Tacoma and Town of Ruston for the Sanitary Sewer and Water portions of the Master Infrastructure CMP.
3. Conduct pre construction meeting with EPA in accordance with the Consent Decree for the Sanitary Sewer and Water portions of the Master Infrastructure CMP.
4. Conduct sampling per the BNSF Quit Claim Soils Sampling and Analysis Plan
5. Obtain final approval from the Town of Ruston and the City of Tacoma for the road portion of the Master Infrastructure/LID project
6. Address EPA comments received on the Phase I CMP
7. Address comments from the June 17, 2010 meeting regarding Occupancy Plan Development, and submit a proposal for a Temporary Cap in compliance with the Consent Decree.

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8. Respond to EPA comments on the Operation, Maintenance and Monitoring Plan
9. Response to EPA comments regarding the Point Ruston CC&Rs
10. Begin mobilizing DNR's contractor to the site to begin the demolition of the Asarco docks project.
11. The following Remedial Action tasks are planned to continue:
 - RA Monitoring:**
 - a. Outfall sampling (weekly composite samples) during scheduled months
 - b. Air monitoring during remedial action activities
 - OCF OMMP activities:**
 - a. Continue collection of leachate for offsite disposal
 - b. Continue monitoring of leachate volumes
 - Stack Hill construction activities:**
 - a. Erosion controls and site maintenance
 - b. Continue home construction
 - c. Begin face cap installation
 - Site-wide construction activities:**
 - a. Continue surface water controls
 - b. Maintain roads and stockpiles onsite
 - c. Maintain erosion controls
 - d. Construction activities for mass grading and Master Infrastructure

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston to secure permits associated with the Master Infrastructure CMP and Phase I CMP.
2. Point Ruston is coordinating with BNSF to secure a quit claim deed for the area adjacent to Ruston Way

F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010 and has been in continuing discussions with EPA over the proposed schedule modification.

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Asarco Tacoma Smelter Site

G. *Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.*

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
2. Point Ruston continues to work with MetroParks to incorporate the capping component into the Peninsula Park design, pursuant to the Memorandum of Agreement between Point Ruston, LLC and MetroParks regarding the design and remediation plan for Breakwater Peninsula. Point Ruston met with members of the Peninsula Park Joint Planning group in June.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.
4. Point Ruston has been actively working with the Washington Dept. of Natural Resources on Asarco docks demolition project. The 3 docks are scheduled to be removed during this season's "fish window", with work to begin in early September. Point Ruston met with DNR and representatives from DNR's contractor Pacific Pile and Marine to review the site layout, and choose a construction trailer location. Point Ruston and DNDR are also engaged in plans to armor certain portions of the shoreline, per the EPA approved design.



Weekly Site Inspection Report No. 2010-0704

Week of

7/4 - 10, 2010 Inspector Tim RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:				
51 st Street	(G)	F	P	Y (N)
South (electric)	(G)	F	P	Y (N)
Cooling Pond	(G)	F	P	Y (N)
Peninsula	(G)	F	P	Y (N)
54 th Street (electric)	(G)	F	P	Y (N)
Signage:				
Gates	(G)	F	P	Y (N)
Perimeter	(G)	F	P	Y (N)
Safety	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Public Streets:				
Ruston Way	(G)	F	P	Y (N)
51 st & Gallagher	(G)	F	P	Y (N)
Stack Hill	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
BMPs:				
Berms	(G)	F	P	Y (N)
Waddles	(G)	F	P	Y (N)
Silt Fence	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Strom drains clean:				
Lower Site	(G)	F	P	Y (N)
Stack Hill	(G)	F	P	Y (N)
Stockpiles:				
Envirotac II	G	(F)	P	Y (N)
Plastic	(G)	F	P	Y (N)
Packed	G	(F)	P	Y (N)
Grass	(G)	F	P	Y (N)
Dust:				
Traffic areas	G	(F)	P	Y — N Condition Area Starting To Dry Up
Excavation area	G	(F)	P	Y — N Potential For Dust In Windy Conditions
(Other)	G	F	P	Y N
Fencing:				
Site Perimeter	(G)	F	P	Y (N)
Zone Separation	(G)	F	P	Y (N)
(Other)	G	F	P	Y N

Weekly Site Inspection Report No. 2010-0704
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks: Barriers Signs (Other)	G	F	P	Y	(N)
	G	F	P	Y	(N)
	G	F	P	Y	N
Cameras: Stack Hill Lower Site	G	F	P	Y	(N)
	G	F	P	(Y)	N
	G	F	P	Y	N
Health & Safety Plans: Site Superintendent Construction Super. Other					Version 5 Under Review OPERATING UNDER Ver. 4
	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

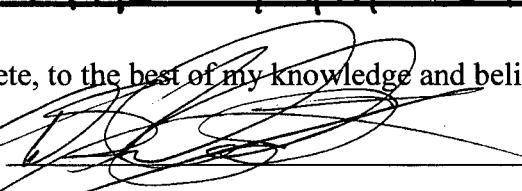
Misc. notes:

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 4	53/68	SSW WIND 5 MPH/GUST 8 MPH, NO PRECIPITATION
Monday 5	53/70	WSW WIND 3 MPH/GUST 5 MPH, NO PRECIPITATION
Tuesday 6	50/70	NE WIND 3 MPH/GUST 5 MPH, NO PRECIPITATION
Wednesday 7	57/84	NE WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Thursday 8	62/93	NE WIND 2 MPH/GUST 6 MPH, NO PRECIPITATION
Friday 9	63/87	SSW WIND 3 MPH/GUST 5 MPH, NO PRECIPITATION
Saturday 10	60/86	WSW WIND 5 MPH/GUST 7 MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: July 12, 2010

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010-0711

Week of 7/11-17, 2010

Inspector TIM RUSHYR

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:					
51 st Street South (electric)	(G)	F	P	Y	(N)
Cooling Pond Peninsula	(G)	F	P	Y	(N)
54 th Street (electric)	(G)	F	P	Y	(N)
Signage:					
Gates	(G)	F	P	Y	(N)
Perimeter	(G)	F	P	Y	(N)
Safety (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
					BEEPPED UP SIGNAGE FOR DUST
Public Streets:					
Ruston Way	(G)	F	P	Y	(N)
51 st & Gallagher	(G)	F	P	Y	(N)
Stack Hill (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
BMPs:					
Berms	(G)	F	P	Y	(N)
Waddles	(G)	F	P	Y	(N)
Silt Fence	(G)	F	P	Y	(N)
	G	F	P	Y	N
Strom drains clean:					
Lower Site	(G)	F	P	Y	(N)
Stack Hill	(G)	F	P	Y	(N)
Stockpiles:					
Envirotac II	(G)	F	P	Y	(N)
Plastic	(G)	F	P	Y	(N)
Packed	(G)	F	P	Y	(N)
	G	F	P	Y	N
Dust:					x REVIEW DUST CONTROL w/ CH2M HILL
Traffic areas	(G)	F	P	Y	(N)
Excavation area (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
Fencing:					
Site Perimeter	(G)	F	P	Y	(N)
Zone Separation (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N

Weekly Site Inspection Report No. 2010-071
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks: Barriers Signs (Other)	(G)	F	P	Y (N)	
	(G)	F	P	Y (N)	
	G	F	P	Y N	
Cameras: Stack Hill Lower Site	(G)	F	P	Y (N)	
	G	F	(P)	(Y) N	
	G	F	P	Y N	
Health & Safety Plans: Site Superintendent Construction Super. Other	(G)	F	P	(Y) N	V.5 IS IN USE BUT MAY BE UPDATED FOLLOWING FURTHER COMMENTS & REVIEW.
	(G)	F	P	(Y) N	
	G	F	P	Y N	

G=Good F=Fair P=Poor Y=Yes N=No

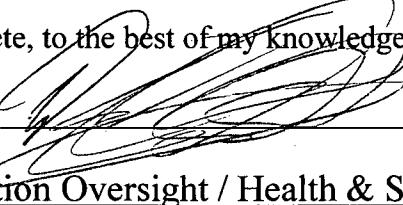
Misc. notes: WARMER WEATHER, DRIER CONDITIONS, AND INCREASED WORK ACTIVITIES RESULTED IN REVIEW OF DUST CONTROL. CONTINUE W/WATER SPRAY & INCREASED SIGNAGE.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday	11	59/76 SW WIND 7 mph/GUST 10 mph, NO PRECIPITATION
Monday	12	55/70 SW WIND 8 mph/GUST 11 mph, NO PRECIPITATION
Tuesday	13	53/73 ESE WIND 3 mph/GUST 6 mph, NO PRECIPITATION
Wednesday	14	53/80 NNE WIND 2 mph/GUST 7 mph, NO PRECIPITATION
Thursday	15	56/80 WSW WIND 3 mph/GUST 5 mph, NO PRECIPITATION
Friday	16	53/73 SSW WIND 5 mph/GUST 8 mph, NO PRECIPITATION
Saturday	17	52/77 SSW WIND 4 mph/GUST 8 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 7/19/10

SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Weekly Site Inspection Report No. 2010 - 0718

Week of 7/18 - 24, 2010 Inspector Tim RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:				
51 st Street	(G)	F	P	Y (N) CHANGED GATE LOCATION (SEE NOTES)
South (electric)	(G)	F	P	Y (N)
Cooling Pond	(G)	F	P	Y (N)
Peninsula	(G)	F	P	Y (N)
54 th Street (electric)	(G)	F	P	Y (N)
Signage:				
Gates	(G)	F	P	Y (N)
Perimeter	(G)	F	P	Y (N)
Safety	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Public Streets:				
Ruston Way	(G)	F	P	Y (N)
51 st & Gallagher	(G)	F	P	Y (N)
Stack Hill	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
BMPs:				
Berms	(G)	F	P	Y (N)
Waddles	(G)	F	P	Y (N)
Silt Fence	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Strom drains clean:				
Lower Site	(G)	F	P	Y (N)
Stack Hill	(G)	F	P	Y (N)
Stockpiles:				
Envirotac II	(G)	F	P	Y (N)
Plastic	(G)	F	P	Y (N)
Packed	(G)	F	P	Y (N)
Grass	G	F	P	Y N
Dust:				
Traffic areas	(G)	F	P	Y (N)
Excavation area	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Fencing:				
Site Perimeter	(G)	F	P	Y (N)
Zone Separation	(G)	F	P	Y (N)
(Other)	G	F	P	Y N

Weekly Site Inspection Report No. 2010-0718
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks: Barriers Signs (Other)	(G)	F	P	Y (N)	
	(G)	F	P	Y (N)	
	G	F	P	Y N	
Cameras: Stack Hill Lower Site	(G)	F	P	Y (N)	
	G	F	(P)	(Y) N	
	G	F	P	Y N	
Health & Safety Plans: Site Superintendent Construction Super. Other					V.5 SIGNED 7/22 + 7/23
	(G)	F	P	Y (N)	
	(G)	F	P	Y (N)	
	G	F	P	Y N	

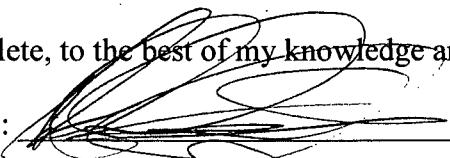
G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: Moved 51 ST STREET GATE Approx 75 FEET FROM OLD "N. GATE" LOCATION TO EDGE OF ASPHALT AT 51 ST & GALLAGHER. PREVENTS PARKING ONSITE OUTSIDE OF GATE.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 18	53/69	SW WIND 5 mph/GUST 8 mph, No PRECIPITATION
Monday 19	53/74	SW WIND 4 mph/GUST 7 mph, No PRECIPITATION
Tuesday 20	53/76	S WIND 4 mph/GUST 8 mph, No PRECIPITATION
Wednesday 21	53/85	SSW WIND 5 mph/GUST 11 mph, No PRECIPITATION
Thursday 22	55/68	SSW WIND 6 mph/GUST 9 mph, No PRECIPITATION
Friday 23	51/71	ESE WIND 3 mph/GUST 10 mph, No PRECIPITATION
Saturday 24	56/84	NE WIND 2 mph/GUST 6 mph, No PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 7/26/10 SIGNED: 

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer



Point Ruston

Weekly Site Inspection Report No. 2010-0725

Week of 7/25-31, 2010

Inspector Tim RUSHTER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
Gates:					
51 st Street	(G)	F	P	Y	(N)
South (electric)	(G)	F	P	Y	(N)
Cooling Pond	(G)	F	P	Y	(N)
Peninsula	(G)	F	P	Y	(N)
54 th Street (electric)	(G)	F	P	Y	(N)
Signage:					
Gates	(G)	F	P	Y	(N)
Perimeter	(G)	F	P	Y	(N)
Safety	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Public Streets:					
Ruston Way	G	F	P	Y	N
51 st & Gallagher	G	F	P	Y	N
Stack Hill	G	F	P	Y	N
52 nd (Other)	G	(F)	P	Y?	N
BMPs:					
Berms	(G)	F	P	Y	(N)
Waddles	(G)	F	P	Y	(N)
Silt Fence	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Strom drains clean:					
Lower Site	(G)	F	P	Y	(N)
Stack Hill	(G)	F	P	Y	(N)
Stockpiles:					
Envirotac II	(G)	F	P	Y	(N)
Plastic	(G)	F	P	Y	(N)
Packed	(G)	F	P	Y	(N)
Grass	G	F	P	Y	N
Dust:					
Traffic areas	(G)	F	P	Y	(N)
Excavation area	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Fencing:					
Site Perimeter	(G)	F	P	Y	(N)
Zone Separation	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N

Weekly Site Inspection Report No. 2010-0725
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks: Barriers Signs (Other)	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
Cameras: Stack Hill Lower Site	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
Health & Safety Plans: Site Superintendent Construction Super. Other V.S	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: RODARTE Working IN VACINITY OF H102 ON OCF
 JAILT NO SIGNIFICANT DUST OBSERVED. OCCASIONAL
 WATER & SEDIMENT FROM THEIR JOB SITE WATERING FLOWERS
 DOWN 52ND STREET ONTO OUR SITE NEAR THE OCF
 LEACHATE TANK.

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 25	58/84	NE WIND 3 mph/GUST 6 mph, No PRECIPITATION
Monday 26	58/83	NE WIND 3 mph/GUST 10 mph, No PRECIPITATION
Tuesday 27	53/81	SSW WIND 6 mph/GUST 10 mph, No PRECIPITATION
Wednesday 28	54/78	SSW WIND 5 mph/GUST 7 mph, No PRECIPITATION
Thursday 29	54/74	S WIND 3 mph/GUST 7 mph, No PRECIPITATION
Friday 30	53/80	WSW WIND 4 mph/GUST 8 mph, No PRECIPITATION
Saturday 31	55/71	SSW WIND 6 mph/GUST 9 mph, No PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE:

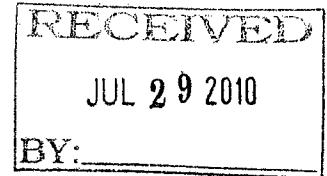
8/2/10

SIGNED:

TITLE / QUALIFICATION: Construction Oversight / Health & Safety Officer

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com



07/27/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 07/12/2010
Spectra Project: 2010070194

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293610	1	Arsenic	0.12	µg/m3	SW846 6010B	Filter	06/14/2010
8293610	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	06/14/2010
8293609	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	06/14/2010
8293609	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	06/14/2010
8293608	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	06/14/2010
8293608	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	06/14/2010
8293607	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/01/2010
8293607	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/01/2010
8293605	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/01/2010
8293605	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/01/2010
8293604	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/02/2010
8293604	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/02/2010
8293603	8	Arsenic	0.06	µg/m3	SW846 6010B	Filter	07/04/2010
8293603	8	Lead	0.06	µg/m3	SW846 6010B	Filter	07/04/2010
8236000	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/06/2010
8236000	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/06/2010

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a8/mlh



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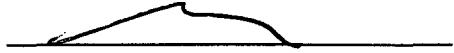
07/27/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 07/12/2010
Spectra Project: 2010070194

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235999	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/06/2010
8235999	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/06/2010
8293602	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/06/2010
8293602	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/06/2010
8235997	12	Arsenic	0.07	µg/m3	SW846 6010B	Filter	07/07/2010
8235997	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/07/2010
8235996	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/07/2010
8235996	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/07/2010
8235998	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/07/2010
8235998	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/07/2010
8235995	15	Arsenic	0.30	µg/m3	SW846 6010B	Filter	07/08/2010
8235995	15	Lead	0.17	µg/m3	SW846 6010B	Filter	07/08/2010
8235994	16	Arsenic	0.08	µg/m3	SW846 6010B	Filter	07/08/2010
8235994	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/08/2010
8235993	17	Arsenic	0.09	µg/m3	SW846 6010B	Filter	07/08/2010
8235993	17	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/08/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/mlh



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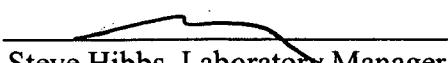
07/27/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 07/12/2010
Spectra Project: 2010070194

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235992	18	Arsenic	0.10	µg/m3	SW846 6010B	Filter	07/09/2010
8235992	18	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/09/2010
8235991	19	Arsenic	0.11	µg/m3	SW846 6010B	Filter	07/09/2010
8235991	19	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/09/2010
8235990	20	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/09/2010
8235990	20	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/09/2010
8293601	21	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/06/2010
8293601	21	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/06/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/mlh

**POINT
RUSTON**

5219 N. Shirley St., Suite 100
Phone: 253-752-2185
Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

2016070194

PROJ. NO	PROJECT NAME		NO. OF CONTAINERS	REMARKS		
AIR MONITORING	POINT RUSTON, LLC HI-VOL				DST Pb	
SAMPLERS: (Signature)	<i>D. Ruhn</i>		R			
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
6/14/10	SG		/		82936010	1 ✓
6/14/10	OCF-VI		/		82936009	1 ✓
6/14/10	OCF-NW		/		82936008	1 ✓
7/1/10	SG		/		82936007	1 ✓
7/1/10	OCF-VI		/		82936006	1 ✓
7/1/10	OCF-NW		/		82936005	1 ✓
7/2/10	SG		/		82936004	1 ✓
7/4/10	SG		/		82936003	1 ✓
7/4/10	SG		/		82360001	1 ✓
7/6/10	OCF-VI		/		82359999	1 ✓
7/6/10	OCF-NW		/		82936002	1 ✓
7/7/10	SG		/		82359997	1 ✓
7/7/10	OCF-VI		/		82359996	1 ✓
7/7/10	OCF-NW		/		82359998	1 ✓
7/8/10	SG		/		82359995	1 ✓
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other
<i>D. Ruhn</i>		7/12/10 4:23	<i>K. Koss</i>		Spectra	DROP OFF
Relinquished (Signature)		Date/Time	Received by: (Signature)		Air Bill #	
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed:
						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: [] Accepted [] Declined _____						
Signature						

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

20100701941

PROJ. NO	PROJECT NAME				NO. OF CONTAINERS	REMARKS	
AIR MONITORING	POINT RUSTON, LLC HI-VOL						AS, PB
SAMPLER# (Signature)	DATE	STA#	TIME	COMP	GRAB	SAMPLE NUMBER	
<i>John D. Bush</i>	7/8/10	OCE-VI		✓		8235994	
	7/8/10	OCE-NW		✓		8235993	
	7/9/10	SG		✓		8235992	
	7/9/10	OCE-VI		✓		8235991	
	7/9/10	OCE-NW		✓		8235990	
	7/10/10	CONTROL		✓		829360	
	7/12/10	Hi-VOLUME SAMPLER LOG			1 PAGE		
						THANK YOU	
						GEM DATA FOR LISTED FILTERS	
Relinquished (Signature)			Date/Time	7/12/10 4:23	Received by: (Signature)	Lab	Shipped via: FedEx, UPS or Other
<i>John D. Bush</i>					<i>Ron Agar</i>	Spectra	<i>Drop off</i>
Relinquished (Signature)			Date/Time		Received by: (Signature)	Remarks	
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)	Date/Time	Enclosed:
							<input type="checkbox"/> Parameter List with DTLs
							<input type="checkbox"/> Cover Letter
				Split Samples: [] Accepted [] Declined			
						Signature	

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RECEIVED
JUL 29 2010
BY:

07/27/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 07/20/2010
Spectra Project: 2010070346

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235989	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/12/2010
8235989	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/12/2010
8235988	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/12/2010
8235988	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/12/2010
8235987	3	Arsenic	0.06	µg/m3	SW846 6010B	Filter	07/12/2010
8235987	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/12/2010
8235985	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/13/2010
8235985	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/13/2010
8235984	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/13/2010
8235984	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/13/2010
8235983	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/13/2010
8235983	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/13/2010
8235982	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/14/2010
8235982	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/14/2010
8235981	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/14/2010
8235981	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/14/2010

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a8/scj



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07/27/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 07/20/2010
Spectra Project: 2010070346

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235980	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/14/2010
8235980	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/14/2010
8235979	10	Arsenic	0.12	µg/m3	SW846 6010B	Filter	07/15/2010
8235979	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/15/2010
8235978	11	Arsenic	0.05	µg/m3	SW846 6010B	Filter	07/15/2010
8235978	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/15/2010
8235977	12	Arsenic	0.06	µg/m3	SW846 6010B	Filter	07/15/2010
8235977	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/15/2010
8235976	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/16/2010
8235976	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/16/2010
8235975	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/16/2010
8235975	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/16/2010
8235974	15	Arsenic	0.09	µg/m3	SW846 6010B	Filter	07/16/2010
8235974	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/16/2010
8235986	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/13/2010
8235986	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/13/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**

5219 N. Shirley St., Suite 100
Phone: 253-752-2185
Fax: 253-752-7083

2010070346

PROJ. NO	PROJECT NAME				NO. OF CONTAINERS	REMARKS	
AIR MONITORING	POINT RUSTON, LLC Hi-vol						D5 + P5
SAMPLERS (Signature)							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
7/12/10	SG		✓		8235989	1 ✓ PLEASE EMAIL RESULTS	
7/12/10	OCF-VI		✓		8235988	1 ✓	
7/12/10	OCF-NW		✓		8235987	1 ✓	
7/13/10	SG		✓		8235985	1 ✓	
7/13/10	OCF-VI		✓		8235984	1 ✓	
7/13/10	OCF-NW		✓		8235983	1 ✓	
7/14/10	SG		✓		8235982	1 ✓	
7/14/10	OCF-VI		✓		8235981	1 ✓	
7/14/10	OCF-NW		✓		8235980	1 ✓	
7/15/10	SG		✓		8235979	1 ✓	
7/15/10	OCF-VI		✓		8235978	1 ✓	
7/15/10	OCF-NW		✓		8235977	1 ✓	
7/16/10	SG		✓		8235976	1 ✓	
7/16/10	OCF-VI		✓		8235975	1 ✓	
7/16/10	OCF-NW		✓		8235974	1 ✓	
Relinquished (Signature)			Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other
<i>[Signature]</i>			7/20/10 2:21	<i>[Signature]</i>		Spectra	Air Bill # _____
Relinquished (Signature)			Date/Time	Received by: (Signature)		Remarks	
Relinquished (Signature)			Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed:
							<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: [] Accepted [] Declined _____ Signature _____							

CHAIN OF CUSTODY RECORD

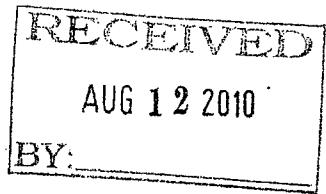
POINT
RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS	
<u>AIR MONITORING</u>		<u>POINT RUSTON, LLC</u>				<u>Hi-VOL</u>
SAMPLERS: (Signature)		<u>Jim D. Rush</u>				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
7/13/10	Control			✓	8235986	
7/19/10					Hi-VOLUME SAMPLER LOG	
					I PAGE	
					C.F.M. DATA FOR LISTED FILTERS	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
		7/20/10 2:21	<u>Kel Ross</u>		<u>Sandra</u>	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
						Split Samples: []Accepted []Declined
						Signature

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08/10/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 07/27/2010
Spectra Project: 2010070460

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235973	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/19/2010
8235973	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/19/2010
8235972	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/19/2010
8235972	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/19/2010
8235971	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/19/2010
8235971	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/19/2010
8235969	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/20/2010
8235969	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/20/2010
8235968	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/20/2010
8235968	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/20/2010
8235970	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/21/2010
8235970	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/21/2010
8235966	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/21/2010
8235966	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/21/2010
8235965	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/21/2010
8235965	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/21/2010

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a8/scj



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08/10/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

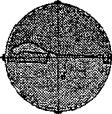
Project: Air Monitoring (Hi-Vol)
Date Received: 07/27/2010
Spectra Project: 2010070460

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8235967	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/22/2010
8235967	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/22/2010
8235963	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/22/2010
8235963	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/22/2010
8235962	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/22/2010
8235962	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/22/2010
8235961	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/23/2010
8235961	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/23/2010
8235960	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/23/2010
8235960	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/23/2010
8235959	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/23/2010
8235959	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/23/2010
8235964	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	07/21/2010
8235964	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	07/21/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj


**POINT
RUSTON**

 5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

- 2010070460

PROJ. NO	PROJECT NAME					NO. OF CONTAINERS	REMARKS	
Air Monitoring	POINT RUSTON, LLC Hi-vol							AS, Pb
SAMPLERS: (Signature)	<i>Tim J. Rush Jr.</i>							
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER			
7/19/10	SG		✓		8235975	1	✓	PLEASE EMAIL RESULTS TO Tim@PointRuston.com
7/19/10	OCF-VI		✓		8235972	1	✓	
7/19/10	OCF-NW		✓		8235971	1	✓	
7/20/10	OCF-VI		✓		8235969	1	✓	
7/20/10	OCF-NW		✓		8235968	1	✓	
7/21/10	SG		✓		8235970	1	✓	
7/21/10	OCF-VI		✓		8235966	1	✓	
7/21/10	OCF-NW		✓		8235965	1	✓	
7/22/10	SG		✓		8235967	1	✓	
7/22/10	OCF-VI		✓		8235963	1	✓	
7/22/10	OCF-NW		✓		8235962	1	✓	Hi-VOLUME SAMPLER
7/23/10	SG		✓		8235961	1	✓	LOG, C.F.M. DATA
7/23/10	OCF-VI		✓		8235960	1	✓	ATTACH FOR LISTED
7/23/10	OCF-NW		✓		8235959	1	✓	FILTERS
7/21/10	CONTROL		✓		8235964	1	✓	
Relinquished (Signature)	<i>John D. K.</i>		Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____	
Relinquished (Signature)			7/27/10 10:09	<i>Bob Ron</i>			Remarks	
Relinquished (Signature)			Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed:	
							<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
Split Samples: [] Accepted [] Declined _____								
Signature								



Exposure Evaluation Worksheet

Date of Evaluation:

July 21, 2014

Name of Evaluator:

TIM RUSHER

Location:

BNSF ALONG RUSTON WAY (4900 BLK) WEST SIDE

Task:

BORING SAMPLING

Step 1: Identify all employees who have potential airborne exposure to inorganic arsenic in your workplace.

All employees or subcontractors and their employees that work in the areas designated as "Exclusion Zone(s)"

NAME	TASK	COMPANY
JENNIFER RUSHER	SAMPLING ASSISTANT	POINT RUSTON LLC
CHARLES "MIKE" JUETTER	SUPERVISION	"
JOE HARRISON	SUPERVISION	"
GARY PEDERSEN	SUPERVISION	"
PAT WILBER	LAB TECHNICIAN	"
JANICE HORTON	OVERSIGHT	CHAM HILL
JOHN MEFFORD	EQUIPMENT OPERATOR	ESN NORTHWEST
(*) MARTY HAUN	" "	" "

(Use additional pages as needed for additional names.)

Step 2: Select employees from those identified in Step 1 who will have their eight-hour exposures monitored.

Employees or subcontractors being monitored

NAME	TASK	COMPANY
JENNIFER RUSHER	SAMPLING ASSISTANT	POINT RUSTON
PAT WILBER	LAB TECHNICIAN	POINT RUSTON
JOHN MEFFORD	EQUIPMENT OPER.	ESN NORTHWEST

Step 3: Determine how you'll obtain employee exposure monitoring results.
(Check all that apply)

<input type="checkbox"/>	OSHA Method ID105
<input type="checkbox"/>	NIOSH Method 7901
<input checked="" type="checkbox"/>	NIOSH Method 7300 (Laboratory process EPA Method SW846 6020A)
<input type="checkbox"/>	Other:

Step 4: Obtain employee exposure monitoring results by collecting air samples representing employees identified in Step 1.

(Check all that apply)

<input type="checkbox"/>	Real-time monitors that provide immediate exposure monitoring results.		
<input checked="" type="checkbox"/>	Equipment that collects samples that are sent to a laboratory for analysis.		
<input checked="" type="checkbox"/>	Single Continuous Sample	Duration:	6½ - 7 HRS
	Split Samples	Qty:	Duration each
	4 to 7 Brief Samples:	Count:	Duration each:
	Other:		
For work shifts longer than eight hours, monitor the continuous eight-hour portion of the shift expected to have the highest average exposure concentration.			

Step 5: Have the samples you collected analyzed to obtain monitoring results representing eight-hour exposures. Compare employee exposure monitoring results to the values in the table below and follow Step 2 to determine if additional sections of this chapter apply.

(Check One)

	If	Then continue to follow the Basic Rules, and these additional requirements
	Employee exposure monitoring results are above the TWA ₈	Training, exposure monitoring, and medical monitoring, WAC 296-848-30005 through 296-848-30080 and Exposure control areas, WAC 296-848-40005 through 296-848-40045
	Employee exposure monitoring results are: At or below the TWA ₈ and At or above AL	Training, exposure monitoring, and medical monitoring, WAC 296-848-30005 through 296-848-30080
<input checked="" type="checkbox"/>	Employee exposure monitoring results are below the AL and Eye or skin irritation from exposure to inorganic arsenic cannot occur	No additional requirements apply if exposures remain stable
	Employees could experience eye or skin irritation from exposure to inorganic arsenic	Training in WAC 296-848-30005. Washing, showering, and changing in WAC 296-848-40030 Personal protective equipment (PPE) in WAC 296-848-40040

Comments:

<input checked="" type="checkbox"/>	MARTY REMOVED ON 7/23/10 TO COMPLETE THE SAMPLING PROJECT. HE REPLACED JOHN METFORDE ON THE BORING EQUIPMENT. CONDITIONS AND PROCESS SIMILAR TO EVALUATION DATE.
-------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Date Completed:

7/26/10

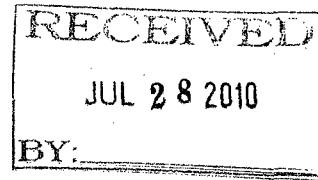
Signature:

Title:

Construction Oversight / Health and Safety Officer

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com



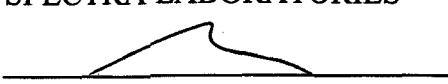
07/23/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Bore Hole Sampling
Sample Matrix: Air Cassette
Date Sampled: 07/21/2010
Date Received: 07/22/2010
Spectra Project: 2010070387

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
072110-181	1	Arsenic	1.0	µg/m³	SW846 6020A
072110-181	1	Lead	0.46	µg/m³	SW846 6020A
072110-646	2	Arsenic	1.5	µg/m³	SW846 6020A
072110-646	2	Lead	0.93	µg/m³	SW846 6020A
072110-719	3	Arsenic	0.72	µg/m³	SW846 6020A
072110-719	3	Lead	0.42	µg/m³	SW846 6020A

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a7/scj

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**

5219 N. Shirley St, Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

2010070387

PROJ. NO BNSF	PROJECT NAME BORE HOLE SAMPLING				NO. OF CONTAINERS <i>ASxPb</i>	REMARKS
SAMPLERS: (Signature) <i>J.D.</i>	DATE	STA #	TIME	COMP		
					SAMPLE NUMBER	
7/21/10				✓	072110-181	1 ✓ <i>1µg/FILTER PRECISION</i>
7/21/10				✓	072110-646	1 ✓ <i>↓</i>
7/21/10				✓	072110-719	1 ✓ <i>↓</i>
7/22/10					SAMPLE LOG INFOR SHEET 1 PAGE	PLEASE EMAIL RESULTS To: Tim@ <i>PointRuston.com</i>
Relinquished (Signature) <i>R. Rulifson</i>		Date/Time	Received by: (Signature) <i>R. Rulifson</i>		Lab <i>Spectra</i> 07/22/10 1:35	Shipped via: FedEx, UPS or Other <i>WALK IN</i> Air Bill # _____
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
						Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____ <i>Signature</i>

Table 1. Summary of July 2010 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.054	10.76%	0.010	2.00%	0.002	0.40%
OSW2	0.047	9.48%	0.002	0.40%	0.000	0.00%
North Outfall	0.017	3.40%	0.012	2.40%	0.008	1.60%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

ANALYTICAL SUMMARY REPORT

August 09, 2010

Point Ruston LLC
5219 N Shirley St Ste 100
Ruston, WA 98407-6599

Workorder No.: B10080200

Project Name: Tacoma Smelter Outfall Samples

Energy Laboratories Inc received the following 15 samples for Point Ruston LLC on 8/3/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10080200-001	TSM0710406 North	07/06/10 9:17	08/03/10	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B10080200-002	TSM0710106 South	07/06/10 9:05	08/03/10	Aqueous	Same As Above
B10080200-003	TSM0710206 OSW-2	07/06/10 9:06	08/03/10	Aqueous	Same As Above
B10080200-004	TSM0710412 North	07/12/10 12:31	08/03/10	Aqueous	Same As Above
B10080200-005	TSM0710112 South	07/12/10 12:14	08/03/10	Aqueous	Same As Above
B10080200-006	TSM0710212 OSW-2	07/12/10 12:15	08/03/10	Aqueous	Same As Above
B10080200-007	TSM0710419 North	07/19/10 9:37	08/03/10	Aqueous	Same As Above
B10080200-008	TSM0710119 South	07/19/10 9:25	08/03/10	Aqueous	Same As Above
B10080200-009	TSM0710219 OSW-2	07/19/10 9:26	08/03/10	Aqueous	Same As Above
B10080200-010	TSM0710426 North	07/26/10 9:26	08/03/10	Aqueous	Same As Above
B10080200-011	TSM0710126 South	07/26/10 9:12	08/03/10	Aqueous	Same As Above
B10080200-012	TSM0710226 OSW-2	07/26/10 9:13	08/03/10	Aqueous	Same As Above
B10080200-013	TSM0810402 North	08/02/10 9:16	08/03/10	Aqueous	Same As Above
B10080200-014	TSM0810102 South	08/02/10 8:44	08/03/10	Aqueous	Same As Above
B10080200-015	TSM0810202 OSW-2	08/02/10 8:45	08/03/10	Aqueous	Same As Above

This report was prepared by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



Ruby L. Stafford
Technical Data Reviewer

Digitally signed by
Ruby L Stafford
Date: 2010.08.09 11:33:27 -06:00

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-001
Client Sample ID TSM0710406 North

Report Date: 08/09/10
Collection Date: 07/06/10 09:17
DateReceived: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.019	mg/L		0.005	E200.8		08/07/10 05:11 / jjw
Copper	0.02	mg/L		0.01	E200.8		08/07/10 05:11 / jjw
Zinc	0.02	mg/L		0.01	E200.8		08/07/10 05:11 / jjw



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-002
Client Sample ID TSM0710106 South

Report Date: 08/09/10
Collection Date: 07/06/10 09:05
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.052	mg/L		0.005	E200.8		08/05/10 23:22 / jjw
Copper	0.01	mg/L		0.01	E200.8		08/05/10 23:22 / jjw
Zinc	0.01	mg/L		0.01	E200.8		08/05/10 23:22 / jjw



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-003
Client Sample ID TSM0710206 OSW-2

Report Date: 08/09/10
Collection Date: 07/06/10 09:06
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.043	mg/L		0.005	E200.8		08/07/10 05:15 / jjw
Copper	0.01	mg/L		0.01	E200.8		08/07/10 05:15 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/07/10 05:15 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-004
Client Sample ID TSM0710412 North

Report Date: 08/09/10
Collection Date: 07/12/10 12:31
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.018	mg/L		0.005	E200.8		08/07/10 05:20 / jjw
Copper	0.02	mg/L		0.01	E200.8		08/07/10 05:20 / jjw
Zinc	0.01	mg/L		0.01	E200.8		08/07/10 05:20 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-005
Client Sample ID: TSM0710112 South

Report Date: 08/09/10
Collection Date: 07/12/10 12:14
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.055	mg/L		0.005	E200.8		08/05/10 23:26 / jjw
Copper	0.01	mg/L		0.01	E200.8		08/05/10 23:26 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/05/10 23:26 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-006
Client Sample ID TSM0710212 OSW-2

Report Date: 08/09/10
Collection Date: 07/12/10 12:15
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.044	mg/L		0.005	E200.8		08/07/10 05:24 / jjw
Copper	ND	mg/L		0.01	E200.8		08/07/10 05:24 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/07/10 05:24 / jjw

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-007
Client Sample ID TSM0710419 North

Report Date: 08/09/10
Collection Date: 07/19/10 09:37
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.017	mg/L		0.005	E200.8		08/07/10 05:29 / jw
Copper	0.01	mg/L		0.01	E200.8		08/07/10 05:29 / jw
Zinc	ND	mg/L		0.01	E200.8		08/07/10 05:29 / jw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-008
Client Sample ID: TSM0710119 South

Report Date: 08/09/10
Collection Date: 07/19/10 09:25
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.058	mg/L		0.005	E200.8		08/05/10 23:30 / jjw
Copper	0.02	mg/L		0.01	E200.8		08/05/10 23:30 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/05/10 23:30 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-009
Client Sample ID TSM0710219 OSW-2

Report Date: 08/09/10
Collection Date: 07/19/10 09:26
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.051	mg/L		0.005	E200.8		08/07/10 05:52 / jjw
Copper	ND	mg/L		0.01	E200.8		08/07/10 05:52 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/07/10 05:52 / jjw

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-010
Client Sample ID TSM0710426 North

Report Date: 08/09/10
Collection Date: 07/26/10 09:26
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.014	mg/L		0.005	E200.8		08/07/10 05:57 / jjw
Copper	ND	mg/L		0.01	E200.8		08/07/10 05:57 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/07/10 05:57 / jjw



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-011
Client Sample ID TSM0710126 South

Report Date: 08/09/10
Collection Date: 07/26/10 09:12
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.051	mg/L		0.005	E200.8		08/05/10 23:34 / jjw
Copper	ND	mg/L		0.01	E200.8		08/05/10 23:34 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/05/10 23:34 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-012
Client Sample ID TSM0710226 OSW-2

Report Date: 08/09/10
Collection Date: 07/26/10 09:13
DateReceived: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.045	mg/L		0.005	E200.8		08/07/10 06:01 / jjw
Copper	ND	mg/L		0.01	E200.8		08/07/10 06:01 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/07/10 06:01 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-013
Client Sample ID TSM0810402 North

Report Date: 08/09/10
Collection Date: 08/02/10 09:16
DateReceived: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.017	mg/L		0.005	E200.8		08/07/10 06:06 / jjw
Copper	0.01	mg/L		0.01	E200.8		08/07/10 06:06 / jjw
Zinc	0.01	mg/L		0.01	E200.8		08/07/10 06:06 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-014
Client Sample ID TSM0810102 South

Report Date: 08/09/10
Collection Date: 08/02/10 08:44
DateReceived: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.053	mg/L		0.005	E200.8		08/06/10 00:11 / jjw
Copper	0.01	mg/L		0.01	E200.8		08/06/10 00:11 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/06/10 00:11 / jjw

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10080200-015
Client Sample ID TSM0810202 OSW-2

Report Date: 08/09/10
Collection Date: 08/02/10 08:45
Date Received: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.054	mg/L		0.005	E200.8		08/07/10 06:10 / jjw
Copper	ND	mg/L		0.01	E200.8		08/07/10 06:10 / jjw
Zinc	ND	mg/L		0.01	E200.8		08/07/10 06:10 / jjw

QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 08/09/10

Project: Tacoma Smelter Outfall Samples

Work Order: B10080200

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8	Analytical Run: ICPMS202-B_100805A								
Sample ID: QCS - 100607A,100420A, Initial Calibration Verification Standard	08/05/10 16:53								
Arsenic	0.0494	mg/L	0.0050	99	90	110			
Copper	0.0506	mg/L	0.010	101	90	110			
Zinc	0.0486	mg/L	0.010	97	90	110			
Method: E200.8	Batch: R151935								
Sample ID: LRB	Method Blank Run: ICPMS202-B_100805A 08/05/10 14:15								
Arsenic	ND	mg/L	3E-05						
Copper	0.0001	mg/L	8E-05						
Zinc	0.0002	mg/L	0.0001						
Sample ID: LFB	Laboratory Fortified Blank Run: ICPMS202-B_100805A 08/05/10 14:19								
Arsenic	0.0519	mg/L	0.0050	104	85	115			
Copper	0.0546	mg/L	0.010	109	85	115			
Zinc	0.0544	mg/L	0.010	108	85	115			
Sample ID: B10080200-011AMS	Sample Matrix Spike Run: ICPMS202-B_100805A 08/05/10 23:54								
Arsenic	0.101	mg/L	0.0050	100	70	130			
Copper	0.0579	mg/L	0.010	101	70	130			
Zinc	0.0558	mg/L	0.010	104	70	130			
Sample ID: B10080200-011AMSD	Sample Matrix Spike Duplicate Run: ICPMS202-B_100805A 08/05/10 23:58								
Arsenic	0.104	mg/L	0.0050	106	70	130	2.6	20	
Copper	0.0595	mg/L	0.010	104	70	130	2.8	20	
Zinc	0.0576	mg/L	0.010	107	70	130	3.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 08/09/10

Project: Tacoma Smelter Outfall Samples

Work Order: B10080200

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8	Analytical Run: ICPMS203-B_100806A								
Sample ID: QCS-100607A,100420A,1	Initial Calibration Verification Standard								08/07/10 01:16
Arsenic	0.0477	mg/L	0.0050	95	90	110			
Copper	0.0498	mg/L	0.010	100	90	110			
Zinc	0.0511	mg/L	0.010	102	90	110			
Method: E200.8	Batch: 48098								
Sample ID: MB-48098	Method Blank								Run: ICPMS203-B_100806A 08/07/10 04:16
Arsenic	ND	mg/L	4E-05						
Copper	0.0001	mg/L	7E-05						
Zinc	0.0007	mg/L	0.0001						
Sample ID: LCS5-48098	Laboratory Control Sample								Run: ICPMS203-B_100806A 08/07/10 04:21
Arsenic	0.482	mg/L	0.0050	96	85	115			
Copper	0.477	mg/L	0.010	95	85	115			
Zinc	0.490	mg/L	0.010	98	85	115			
Sample ID: B10080225-001CMS5	Sample Matrix Spike								Run: ICPMS203-B_100806A 08/07/10 06:20
Arsenic	0.515	mg/L	0.0050	103	70	130			
Copper	0.488	mg/L	0.010	96	70	130			
Zinc	1.19	mg/L	0.010	101	70	130			
Sample ID: B10080225-001CMSD5	Sample Matrix Spike Duplicate								Run: ICPMS203-B_100806A 08/07/10 06:24
Arsenic	0.507	mg/L	0.0050	101	70	130	1.7	20	
Copper	0.487	mg/L	0.010	95	70	130	0.2	20	
Zinc	1.17	mg/L	0.010	97	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Workorder Receipt Checklist



Point Ruston LLC

B10080200

Login completed by: Leslie S. Cadreau

Date Received: 8/3/2010

Reviewed by: BL2000\kmcdonald

Received by: Ig

Reviewed Date: 8/4/2010

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	14°C On Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None

**POINT
RUSTON**

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

OUTFALL

CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS		
TACOMA SMELTER		OUTFALL SAMPLES				JM R	BSX GZ N2
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		
7/15/10	NORTH	9:17	✓		TSM0710406	1 ✓	PLEASE EMAIL RESULTS - 001
7/16/10	SOUTH	9:05	✓		TSM0710106	1 ✓	To: - 002
7/16/10	OSW-2	9:06	✓		TSM0710206	1 ✓	Tim2@POINTRUSTON.TOM - 003
7/12/10	NORTH	12:31	✓		TSM0710412	1 ✓	- 004
7/12/10	SOUTH	12:14	✓		TSM0710112	1 ✓	- 005
7/12/10	OSW-2	12:15	✓		TSM0710212	1 ✓	- 006
7/19/10	NORTH	9:37	✓		TSM0710419	1 ✓	- 007
7/19/10	SOUTH	9:25	✓		TSM0710119	1 ✓	- 008
7/19/10	OSW-2	9:26	✓		TSM0710219	1 ✓	- 009
7/26/10	NORTH	9:26	✓		TSM0710426	1 ✓	- 010
7/26/10	SOUTH	9:12	✓		TSM0710126	1 ✓	- 011
7/26/10	OSW-2	9:33	✓		TSM0710226	1 ✓	- 012
8/2/10	NORTH	9:16	✓		TSM0810402	1 ✓	- 013
8/2/10	SOUTH	8:44	✓		TSM0810102	1 ✓	- 014
8/2/10	OSW-2	8:45	✓		TSM0810202	1 ✓	- 015
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	Shipped via FedEx, UPS or Other Air Bill #	
		8/2/10 FEDEX					
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks		
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed:	
					8-3-10 9:30	<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
Split Samples: [] Accepted [] Declined _____							
Signature							

ANALYTICAL SUMMARY REPORT

August 09, 2010

Point Ruston LLC
5219 N Shirley St Ste 100
Ruston, WA 98407-6599

Workorder No.: B10080206

Project Name: Tacoma Smelter OCF Leachate

Energy Laboratories Inc received the following 1 sample for Point Ruston LLC on 8/3/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10080206-001	TSM071029 Leachate	07/29/10 15:26	08/03/10	Aqueous	Metals by ICP, Total Metals Preparation by EPA 200.2

This report was prepared by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:


Ruby L. Stafford
Technical Data Reviewer

Digitally signed by
Ruby L Stafford
Date: 2010.08.09 11:36:22 -06:00



www.energylab.com
Analytical Excellence Since 1952

Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter OCF Leachate
Lab ID: B10080206-001
Client Sample ID TSM071029 Leachate

Report Date: 08/09/10
Collection Date: 07/29/10 15:26
DateReceived: 08/03/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	4.9	mg/L		0.1	E200.7		08/06/10 14:06 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 08/09/10

Project: Tacoma Smelter OCF Leachate

Work Order: B10080206

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7	Analytical Run: ICP202-B_100806A								
Sample ID: ICV	Continuing Calibration Verification Standard								
Arsenic	2.59	mg/L	0.10	104	95	105			
Method: E200.7	Batch: 48098								
Sample ID: MB-48098	Method Blank								
Arsenic	ND	mg/L	0.03		Run: ICP202-B_100806A			08/06/10 13:46	
Sample ID: LCS5-48098	Laboratory Control Sample								
Arsenic	0.514	mg/L	0.031	103	85	115			
Sample ID: B10080225-001CMS5	Sample Matrix Spike								
Arsenic	0.415	mg/L	0.15	83	70	130			
Sample ID: B10080225-001CMS5D5	Sample Matrix Spike Duplicate								
Arsenic	0.548	mg/L	0.15	110	70	130	28	20	R

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.



Workorder Receipt Checklist



Point Ruston LLC

B10080206

Login completed by: Leslie S. Cadreau

Date Received: 8/3/2010

Reviewed by: BL2000\kmcdonald

Received by: Ig

Reviewed Date: 8/3/2010

Carrier name: FedEx

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Contact and Corrective Action Comments:

None

CHAIN OF CUSTODY RECORD

Leachate Rush Analysis

**POINT
RUSTON**

5219 N. Shirley St., Suite 100
Tacoma, WA 98407
Phone: 253-752-2185
Fax: 253-752-7083

PROJ. NO	PROJECT NAME					NO. OF CONTAINERS	REMARKS
TACOMA SMEITER	OCF-Leachate TANK						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	1 ✓	RUSH ANALYSIS
7/29/10	LEACHATE	15:26	✓		TSM0711029		

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PLEASE Email Results
To:
Tim.J@PointRuston.com

THANK
YOU

Relinquished (Signature)	Date/Time	Received by: (Signature)	Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
<i>Jimmy R</i>	7/30/10 FedEx			
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks	
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:
		<i>Jimmy R</i>	8-3-10 9:30	<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
<i>Fed Ex Express 14° on ice Seal on bottles</i>			Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____ Signature	